

FILE 'REGISTRY' ENTERED AT 08:40:35 ON 27 SEP 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 SEP 2004 HIGHEST RN 751457-34-8  
DICTIONARY FILE UPDATES: 24 SEP 2004 HIGHEST RN 751457-34-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> s vinylversatate/cn
L1          0 VINYLVERSATATE/CN

=> s vinyl versatate/cn
L2          0 VINYL VERSATATE/CN

=> s vinyl versatate
        68783 VINYL
        6 VERSATATE
L3          2 VINYL VERSATATE
        (VINYL(W)VERSATATE)
```

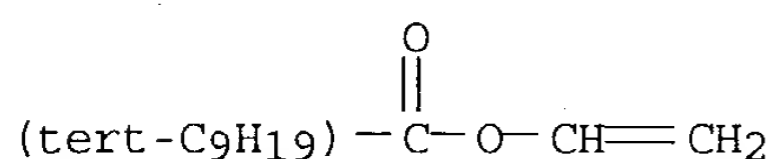
=> d 1-2

```
L3  ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   63330-34-7  REGISTRY
CN   tert-Decanoic acid, ethenyl ester, polymer with ethene and ethenyl acetate
      (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Acetic acid ethenyl ester, polymer with ethene and ethenyl tert-decanoate
      (9CI)
CN   Ethene, polymer with ethenyl acetate and ethenyl tert-decanoate (9CI)
OTHER NAMES:
CN   Ethylene-Veova 10-vinyl acetate copolymer
CN   Ethylene-vinyl acetate-Veova 10 copolymer
CN   Ethylene-vinyl acetate-vinyl versatate 10 copolymer
CN   Mowilith LDM 1355
CN   Sumikaflex 960
CN   Vinnapas LL 3523W
MF   (C12 H22 O2 . C4 H6 O2 . C2 H4)x
CI   PMS
PCT  Polyolefin, Polyvinyl
LC   STN Files:  CA, CAPLUS, CHEMLIST, USPAT2, USPATFULL
      Other Sources:  DSL**, TSCA**
      (**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA  Caplus document type:  Journal; Patent
```

RL.P Roles from patents: PREP (Preparation); PRP (Properties); USES (Uses)  
RLD.P Roles for non-specific derivatives from patents: USES (Uses)  
RL.NP Roles from non-patents: USES (Uses)

CM 1

CRN 26544-09-2  
CMF C12 H22 O2  
CCI IDS



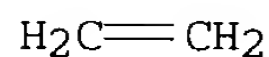
CM 2

CRN 108-05-4  
CMF C4 H6 O2



CM 3

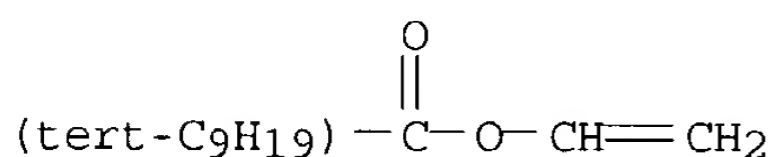
CRN 74-85-1  
CMF C2 H4



33 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
33 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 9070-52-4 REGISTRY  
CN tert-Decanoic acid, ethenyl ester, polymer with ethenyl acetate (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Acetic acid ethenyl ester, polymer with ethenyl tert-decanoate (9CI)  
OTHER NAMES:  
CN Emultex VV 536  
CN Emultex VV 565  
CN Emultex VV 573  
CN Ethenyl tert-decanoate-vinyl acetate polymer  
CN Pegar 620  
CN tert-Decanoic acid ethenyl ester-vinyl acetate copolymer  
CN Veova 10-vinyl acetate copolymer  
CN Veova 10-vinyl acetate polymer  
CN Versic acid ethenyl ester-ethenyl acetate copolymer  
CN Vinamul 6955  
CN Vinamul 6975  
CN Vinyl acetate-tert-decanoic acid ethenyl ester copolymer

CN Vinyl acetate-tert-decanoic acid vinyl ester polymer  
 CN Vinyl acetate-Veova 10 copolymer  
 CN Vinyl acetate-vinyl tert-decanoate copolymer  
 CN Vinyl acetate-vinyl tert-decanoate polymer  
 CN **Vinyl acetate-vinyl versatate-10 copolymer**  
 DR 54738-90-8, 62534-74-1, 37312-19-9  
 MF (C12 H22 O2 . C4 H6 O2)x  
 CI PMS  
 PCT Polyvinyl  
 LC STN Files: BIOSIS, CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUDB,  
 TOXCENTER, USPAT2, USPATFULL  
 Other Sources: DSL\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 DT.CA Caplus document type: Conference; Journal; Patent  
 RL.P Roles from patents: PREP (Preparation); PROC (Process); PRP  
 (Properties); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);  
 PRP (Properties); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); PREP (Preparation); PROC (Process); PRP (Properties); USES  
 (Uses)  
  
 CM 1  
  
 CRN 26544-09-2  
 CMF C12 H22 O2  
 CCI IDS



CM 2  
  
 CRN 108-05-4  
 CMF C4 H6 O2



136 REFERENCES IN FILE CA (1907 TO DATE)  
 8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 136 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 08:40:18 ON 27 SEP 2004)

FILE 'REGISTRY' ENTERED AT 08:40:35 ON 27 SEP 2004

L1 0 S VINYLVERSATATE/CN  
L2 0 S VINYL VERSATATE/CN  
L3 2 S VINYL VERSATATE

FILE 'HOME' ENTERED AT 08:41:14 ON 27 SEP 2004

=> file ca

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.05	22.94

FILE 'CA' ENTERED AT 08:46:41 ON 27 SEP 2004

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FILE COVERS 1907 - 23 Sep 2004 VOL 141 ISS 14

FILE LAST UPDATED: 23 Sep 2004 (20040923/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 167 L3

=> s control###(a3)releas###

MISSING OPERATOR 'CONTROL###(A3'

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s control###(3a)releas###

1739634 CONTROL###

574430 RELEAS###

L5 24352 CONTROL###(3A)RELEAS###

=> s l4 and l5

L6 2 L4 AND L5

=> d bib,ab

L6 ANSWER 1 OF 2 CA COPYRIGHT 2004 ACS on STN

AN 139:182696 CA

TI **Controlled release** coolant additive composition

IN Blakemore, Thomas J.; Chen, Yu-Sen  
PA Dober Chemical Corp., USA  
SO U.S., 8 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6607694	B1	20030819	US 2000-539914	20000331
	US 2003053927	A1	20030320	US 2002-270905	20021015
PRAI	US 2000-539914	A2	20000331		

AB A **controlled-release** coolant additive composition for use in engine coolant systems comprising a core containing at least one coolant additive component and a polymeric coating encapsulating said core. The **controlled released** coolant additive composition slowly releases the coolant additive components to an engine coolant system, thereby delivering an effective concentration level of coolant additive components over an extended period. The **controlled-release** coolant additive composition maintains a min. concentration level of active coolant additive components in the coolant system.

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d bib,ab 2

L6 ANSWER 2 OF 2 CA COPYRIGHT 2004 ACS on STN  
AN 139:41392 CA  
TI Liquid replacement systems for purification of water in recirculating systems  
IN Blakemore, Thomas J.; Chen, Yu-Sen; Kelly, Dennis  
PA Dober Chemical Corporation, USA  
SO U.S. Pat. Appl. Publ., 18 pp., Cont.-in-part of U.S. Ser. No. 781,842.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003122104	A1	20030703	US 2003-365097	20030212
	US 2002153505	A1	20021024	US 2001-781842	20010212
PRAI	US 2001-781842	A2	20010212		
	US 2002-356421P	P	20020212		

AB A liquid replacement system is provided for introducing additives to an open recirculating system or a closed loop boiler H2O system in a controlled manner. The liquid replacement system comprises a make-up line and an additive system disposed therein. A make-up liquid enters into the make-up line where the additive system is structured to provide a **controlled release** of an additive to the make-up liquid, and the make-up liquid carries the additives into the open recirculating system or a closed loop boiler H2O system. The liquid replacement system allows for **controlled release** of additive components to the open recirculating system or the closed loop boiler H2O system, thereby delivering an effective concentration of additive components over an extended period.

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